

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2000016965 A**

(43) Date of publication of application: **18.01.2000**

(51) Int. Cl **C07C 69/22**

B01J 31/12, C07C 67/03, C08G 63/08

// C07B 61/00

(21) Application number: **10182286**

(22) Date of filing: **29.06.1998**

(71) Applicant: **MITSUBISHI GAS CHEM CO INC**

(72) Inventor: **HONMA AKIHIRO**  
**KUROKAWA MASAHIRO**

(54) **PRODUCTION OF HYDROXYALKYLACRYLIC  
ESTER OR METHACRYLIC ACID ESTER  
MODIFIED WITH CAPROLACTONE**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a hydroxyacrylic ester or methacrylic acid ester modified with caprolactone free from a residual catalyst under mild temperature conditions at a sufficient reaction velocity.

SOLUTION: This method for producing a hydroxyalky-

l acrylic ester or methacrylic acid ester modified with caprolactone comprises a process 1 for subjecting lactone and a hydroxyalkylacrylic ester or a hydroxyalkylmethacrylic acid ester to an addition reaction in the presence of an organometallic compound catalyst, a polymerization inhibitor and an antioxidant at 70-120°C and a process 2 for removing the residual organometallic compound catalyst from the reaction product solution obtained by the process 1 by using a composition composed of an inorganic compound.

COPYRIGHT: (C)2000,JPO